

1ST AND 12TH COPIES		PROCESSING AND PROPERTY MODES		1ST AND 12TH COPIES	
BC				A-4	
Determination of synthetic activity of certain... (Comp. read: <u>U.S.S.R.</u>) and various are closely interrelated... of the living cell. An extensive... mining in various activity (A. 1957). of both enzymes to be measured... R.H.H.					
ASH-ILA METALLURGICAL LITERATURE CLASSIFICATION					
1ST AND 12TH COPIES		1ST AND 12TH COPIES		1ST AND 12TH COPIES	
1ST AND 12TH COPIES		1ST AND 12TH COPIES		1ST AND 12TH COPIES	

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1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
CA Chalking of titanium oxide paints. B. A. Rubin. <i>Syull. Obmena Opyt. Lakokrasochnoi Prom.</i> 1939, No. 8, 23-4.— Ultraviolet light forms peroxides with drying oils. These peroxides oxidize TiO_2 to perititanic acid, which oxidizes the oils to produce chalking, according to R. . . . D. A. 26																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND ORDERS																			
3RD AND 4TH ORDERS																			

24

110

Biochemistry of garden crops. B. A. Rubin, E. V. Artsikhovskaya and T. M. Ivanova. *Doklady Vsesoyuz. Akad. Sel'sko-Khoz. Nauk* No. 23/24, 31-5(1939); *Herbage Abstracts* 10, No. 4, 321-2(1940).—Investigations were made of enzyme activity in *Citrullus edulis*, *C. colocynthis*, *C. colocynthis* as well as in hybrids between *C. edulis* and the other 2 species, with special reference to the synthesis-hydrolysis ratio. S. Solov'ichik

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
3C RUBIN, B. A. Inst Biochem, Acad Sci USSR										A4									
Peculiarities of enzyme system of apple leaves and their physiological importance. B. A. RUBIN and N. SISSAKYAN (Compt. rend. Acad. Sci. U.R.S.S., 1989, 26, 293-297).—The peroxidase activity of apple leaves is lower in early than in late varieties and decreases more rapidly with age of the leaf. Leaves of seedlings grafted on to a tree show a rise or fall in peroxidase activity according to the relative lateness or earliness of variety of the stock. The hydrolytic activity of invertase rises markedly with age in the leaves of early but not in those of late varieties. E. M. W.																			
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									

1ST AND 2ND SERIES										3RD AND 4TH SERIES									
PROCESS AND PROPERTIES INDEX																			
BC										A-4									
Influence of salts on enzymic activity in a living cell under low-temperature conditions. N. SEMAZAN and B. A. RUMIN (Compt. rend. Acad. Sci. U.R.S.S., 1968, 28, 298-301).—The infiltration of 0.2M-KOH into apple leaves before cooling stimulates the synthetic activity of invertase and proteases in both cold-resistant varieties and others. Glucose depresses synthetic activity and stimulates hydrolysis. E. M. W.																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
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1ST AND 2ND SERIES										3RD AND 4TH SERIES									

ck

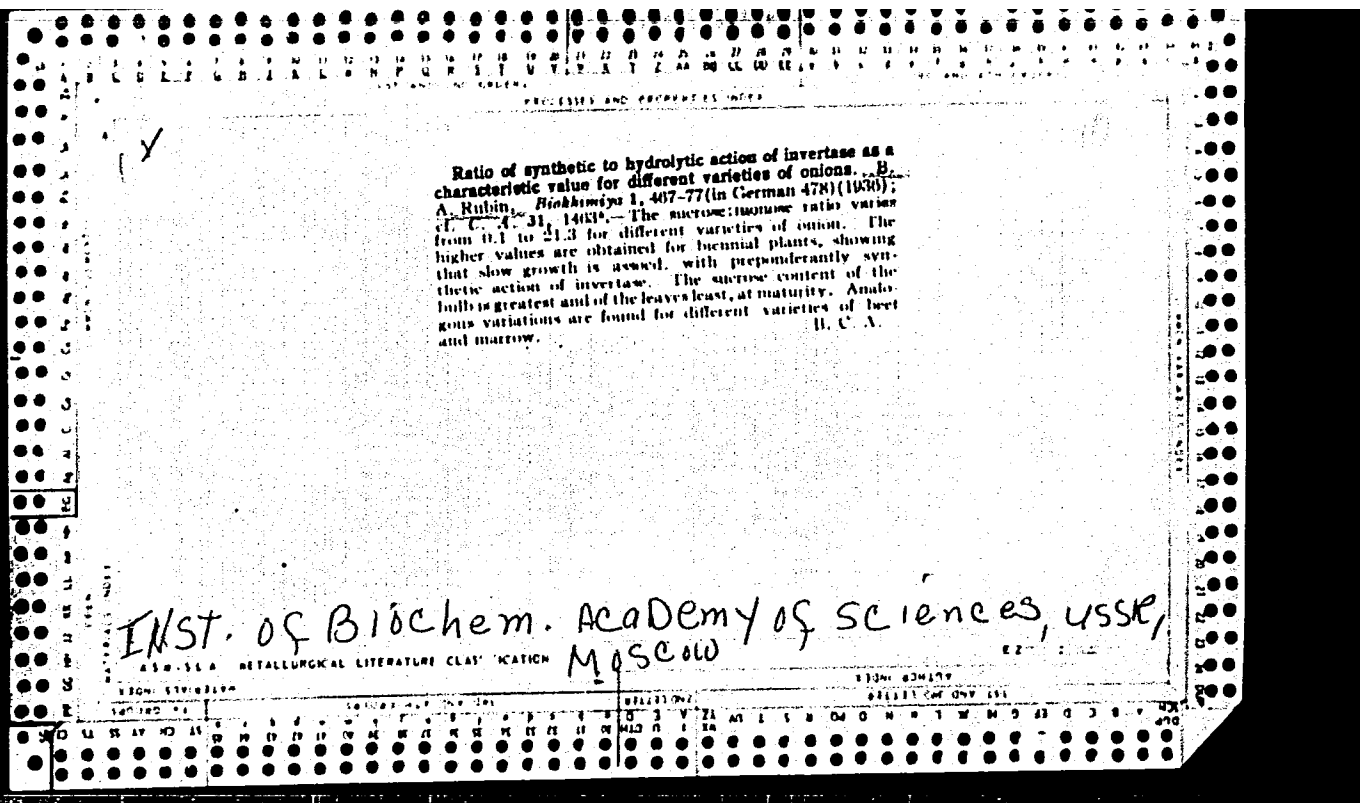
11D

Biological role of vitamin C in the plant. M. A. Rubin and K. I. Strachitskii. *Biokhimiya* 1, 343-50(1958). Vitamin C is absent in cabbage seed, but appears before the 4th day of germination. Along with catalase and peroxidase it continues to increase and reaches max. concn. when the plant has 8 leaves. The C content then decreases, while the catalase steadily increases until the period of ripening, when the vitamin C and catalase activities fall; the peroxidase continues to increase. B. C. A.

The Laboratory of Biochemistry, The Institute of Plant Economy (Moscow)

ASR-51A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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11D

ca

Biological role of vitamin C in plants. H. K. I. Straumitskii and B. A. Rubin. *Biokhimiya* 1, 642-53 (1936).—Cabbage and salad leaves and tomato and cucumber fruit and their juices, cause reversible oxidation of ascorbic acid (I). The oxidation becomes irreversible after the lapse of a period, the length of which varies inversely with the pH. Dehydroascorbic acid injected into living cabbage leaves undergoes reduction and greatly increases the respiratory rate of the leaves. B. C. A.

Biochem. Laboratory, Institut of Vegetables, Moscow

AND N. S. METALLOPHORIC LITERATURE CLASSIFICATION

ca

11 D

The bios: monose ratio as a biochemical varietal character in the onion. H. A. Rubin. *Compt. rend. acad. sc. U. R. S. S. (N. S.)*, 3, 431-4 (1930).—The bulbs and seedlings of 10 varieties of annual and biennial onions were analyzed for sucrose and monoses. Marked differences in the sucrose: monose ratios were observed. A rise in the general sugar content in the bulb is connected with an increase, both absolute and relative in the amt. of sucrose.
C. W. Soderstrom

ASAC 55-4 METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND DEPT'S		PROCESS AND PROPERTIES INDEX		3RD AND 4TH DEPT'S	
CA 12 Biochemical processes in vegetables while in storage. H. A. Rybin and V. R. Trupp. <i>Bull. Applied Botany, Genetics Plant Breeding</i> (U. S. S. R.) Ser. III, No. 13, 121-10 (in English 147) (1968). On onions the following were detd. before and after the storage period: sucrose, cellulose, total N, protein N, pH, catalase and invertase. On cabbage the following were detd.: monose, bloose, poliose, cellulose, total N, protein N, catalase, invertase, amylase and hemicellulase. On carrots the following were detd.: monose, bloose, poliose, cellulose, total N, protein N, catalase and invertase. J. S. Joffe					
ASM-ILA METALLURGICAL LITERATURE CLASSIFICATION					
FROM SYMBOL		TO SYMBOL		TO SYMBOL	
SYMBOL #		SYMBOL #		SYMBOL #	

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																										COMMON PARALLEL INDEX																									
Oxidizing conditions and ascorbic acid as activators of invertase in the living plant cell. B. A. Rukin and E. V. Artsikhovskaya. <i>Biokhimiya</i> 2, 952-53 (1957); cf. C. A. 32, 20661. — The action of invertase in leaves is preponderantly synthetic or hydrolytic according to whether dehydroascorbic or ascorbic acid is present. This explains why the leaves effect chiefly synthesis in O_2 and hydrolysis in CO_2 or N_2. B. C. P. A.																																																			
INST. OF Biochem. ACADEMY OF SCIENCES, USSR																																																			
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			

CA 11D

Biological role of enzymes in plants. I. Action of invertase as a factor in sugar storage. B. A. Rubij and O. T. Lutikova. *Biokhimiya* 2, 423-30(1957).—In leaves and roots of various species of beet the sugar (I) content increases with increasing invertase (II) content but in the autolyzed, pulped roots the II content is inversely proportional to the I content. The hydrolytic action of II (and in some species the synthetic action also) in the leaves increases with duration of growth. In roots the synthetic action predominates. In leaves the synthetic action increases in the middle of the day. Where the total sugar content of beet is high the abs. content and percentage of hexoses are low. B. C. A.

I. A. Biochem. Acad. of Sciences, USSR, Moscow

ASB-35.4 METALLICAL LITERATURE CLASSIFICATION

ca

11D

Measurement of the oxidizing-reducing power of the living vegetable tissue. B. A. Rubin, N. M. Sisakian and O. T. Lutikova. *Compt. rend. acad. sci. U. R. S. S.* 15, 495-8(1937) (in English).--Of a no. of plants studied the highest power of reducing the dehydro-form of ascorbic acid is possessed by the leaves of the cabbage (I) and those of *Hydrangea hortensis* (II). The leaves of *Cyclamen persicum* (III) and *Zea mays* (IV) are very inactive in this respect. In spite of the exceptionally high reducing power of ascorbic acid, the oxidation of the latter in living tissue proceeds very slowly, owing, to all appearances, to the presence therein of powerful protective systems. Under these circumstances, no oxidation can be produced except as a result of disturbing the equil. between the oxidized and reduced form of the vitamin in the tissue, as, for instance, by infiltration. The ratios of oxidizing to reducing power of I, II, III and IV are 2.0, 2.8, 5.0 and 1.3, resp.

W. J. Peterson

ASAC SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
Relation between oxidation and hydrolysis in the living cell. B. A. Rubin and E. V. Arukhovskaya. <i>Compt. rend. acad. sci. U. R. S. S. S. 17, 135-8(1937)</i>.—Investigation of the antagonism between hydrolases and oxidases in the metabolism of plant cells showed that the synthesis/hydrolysis ratio for glucose in leaves of Amager cabbage was 0.35 for samples in atm. air, 0.78 in an atm. of O_2 and 0.23 in an atm. of N_2. Ascorbic acid was investigated in the search for a system labile to O_2, which would account for the variation of the oxidation potential demonstrated above. Solns. (0.5 mg./ml.) of reduced and oxidized ascorbic acid were introduced into leaf tissue by a vacuum infiltration method. The reduced acid slightly increased the ratio toward synthesis, the oxidized (dehydroform) acid markedly increased the ratio toward synthesis. Reduced ascorbic acid, introduced under conditions carefully precluding oxidation prior to introduction, shifted the equil. definitely toward hydrolysis. It is quite probable that regulating the work of the hydrolytic enzymes of sugar metabolism is one of the main biol. functions of ascorbic acid, the chromogens and especially chlorogenic acid in the vegetable cell. D. Vexler																			
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST ORDER										2ND ORDER									
1ST ORDER										2ND ORDER									

11D

Oxidizing-reducing activity of tissues as a biological character in plants. B. A. Kulgin and O. T. Lutikova. *Compt. rend. acad. sci. U. R. S. S.* 17, 258-8(1937)(in English); cf. C. A. 31, 7408a, 7931a, 7939a.—The oxidizing and reducing activity of the leaves of several varieties of cabbages, watermelons, beets, *Cucurbita* and *Citrullus* were studied by a method previously described. Both the high total sugar content and the more considerable participation of sucrose in the compn. of the sugars are asssed, with the greater oxidizing powers of the tissues of the plants. The plants therefore have a low power of reducing dehydroascorbic acid. Data are given on the total sol. sugars and of sucrose for several varieties of pumpkins and watermelons. It is concluded that the change in the oxidizing-reducing properties of plant tissue is a factor intimately asssed. with the evolution of plant forms, at least in respect to chem. compn. The data emphasize the wide-spread occurrence of ascorbic acid in the green parts of the plant and its importance. A relation may exist between the oxidation ratio and a no. of important biol. properties, especially earliness.

E. R. Rushton

26

CA

Titanium dioxide pigment. B. A. Rubin. Russ. 52,628,
Jan. 31, 1938. Titanite is heated with HCl.

ASH S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

EXTRACTS AND PROPERTIES INDEX

Investigation of the biochemical properties of different grades of cultivated plants. B. Rubin. *Sotsialist. Rekonstrukts. Sel'skogo Khoz.* 1938, No. 3, 183-193; *Khim. Referat. Zhur.* 1, No. 11-12, 58(1938).—Numerical data are presented which characterize the activity of sucrase, catalase and peroxidase in different grades of onions and cabbage. In connection with the activity of peroxidase there are given data in connection with the energy of respiration in different grades of cabbage. Data are given in regard to the compn. and the content of sugars in onions in connection with the direction of the activity of sucrase, and in connection with the oxidation-reduction potentials of the fibers of different grades of beets, cabbage and melons. W. R. Henn

11d

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

EXTRACTS AND PROPERTIES INDEX

RUBIN, B. A.

Biochemical principles in vegetable preservation Moskva, Izd. Akademii nauk, 1939.
118 p.

1. Vegetables.
2. Food - Preservation.

1ST AND 2ND CODES										3RD AND 4TH CODES									
PROCESSES AND PROPERTIES INDEX																			
Biochemical index characters of the quality of vegetables. - D. A. Rubin. <i>Holl. med. soc. U. R. S. S., Ser. med.</i> 1939, (new series) English, (15 4). - The ratio of sugar to org. acid, of sugar to starch, and carbohydrates to dry substance det. nutritive value and palatability of vegetables. A high-sugar content depends upon a high invertase activity and a high synthesis to hydrolysis ratio. These ratios and the vitamin C content vary from variety to variety within a species and depend on methods of cultivation. F. Laanes																			
ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND CODES										3RD AND 4TH CODES									

117 AND 120 GROUPS

PROCESSED AND PROPERTIES INDEX

Inst of Biochemistry, Acad Sci USSR *hd*

ca

Effect of low temperatures on the reversibility of enzymic reactions as related to the hardness of the plant. N. M. Sisakyan and B. A. Rubin. *Biokhimiya* 4, 149-53 (1969). — In nonhardy varieties of apple trees, the shift of enzymic equil. in the direction of hydrolysis and the loss of synthetic capacity occur at a higher temp. level than in the hardy sort. At low temps., the plant perishes because of this irreversible hydrolysis shift. H. Priestley

Inst. of Biochemistry of The Academy of Sciences of The USSR, Moscow

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

REGIONAL BUREAU

REGIONAL BUREAU

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<i>ca</i> Sources of vitamin C formation in the living plant cell. B. A. Rubin, E. V. Artsikhovskaya, N. S. Spiridonova and O. T. Lulikova. <i>Biokhimiya</i> 4, 290-7 (1969). --The ascorbic acid content increased when wheat sprouts were infiltrated by a soln. of sucrose. In a N atm., no increase was observed, whereas in O₂, the increase in ascorbic acid was a result of the infiltrated sugar was 2.5 times the normal content. Oxidation processes in living tissues and the changes in their vitamin C content. <i>Ibid.</i> 2:87-75. For- mation of vitamin C in germinating seeds is increased when the cells are supplied with a good source of O₂. Depressing the oxidative processes leads to a fall in the vitamin C content. H. Priestley <i>11d</i>																			
<i>Inst. of Biochem. of the Academy Sciences of the USSR, Moscow</i> ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION																			

1ST AND 2ND ORDERS										PROCESSING AND PROPERTIES INDEX										3RD AND 4TH ORDERS									
f3 c RUBIN, B. A. Inst Biochem, Acad Sci USSR P-4																													
Relationships between oxidation processes in living tissues and changes in their vitamin-C content. B. A. Rubin, E. V. Arisichovskaja, and N. S. Spiridonova (<i>Biochimica</i>, 1939, No 3, 368-370).--Maintenance of the level of vitamin-C in living tissues as well as its synthesis in germinating seeds are favourably affected by increased activity of oxidizing enzymes and a liberal supply of O₂, whilst they are inhibited by low rates of oxidation processes. This is because the level of -C is maintained chiefly by new formation of -C, for reduction of dehydroascorbic acid cannot supply an adequate amount for a const. level. The ascorbic acid system is only partly reversible. Part of the acid undergoes further decomp. after it is oxidized to dehydroascorbic acid, and is thus removed from the vitamin balance of the cell. J. N. A.																													
Inst. of Biochem. of the Academy of Sciences of the USSR, Moscow A58.51A METALLURGICAL LITERATURE CLASSIFICATION																													
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS										5TH AND 6TH ORDERS									

ca

11D

The enzymic activities of leaves in connection with the ripening time of the fruits of various kinds of apple trees. B. A. Rubin, N. M. Sisakyan and T. M. Ivanova. *Dokl. Akad. Nauk SSSR*, No. 2, 210-10 (1939); *Khim. Referat. Zhur.* 1939, No. 9, 41.—The peculiarities of the enzymic system of the early- and the late-ripening kinds of apple trees (in particular the relationship between the hydrolytic and the synthesis activity of sucrose and the activity of peroxidase) were investigated. It was found that the activity of peroxidase of the leaves of the early-ripening kinds was close to zero, and that the peroxidase was very active in the late-ripening kinds. According to this criterion the various kinds of apple trees can be divided into the early-, medium- and late-ripening trees even before the appearance of their fruits. The leaves of the early-ripening kinds possess a higher activity of the hydrolytic action of sucrose and a lower synthesis action. A reverse phenomenon is observed in the late-ripening kinds. In connection with this the ratio synthesis/hydrolysis of sucrose is moved in the direction of synthesis.

W. R. Henn

Instit. of Biol. Chem. of the Academy of Sciences, USSR, Moscow

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

RESEARCH DIVISION

LIBRARY DIVISION

RESEARCH DIVISION

LIBRARY DIVISION

117 AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

26

Influence of the method of manufacture of titanium oxide-calcium sulfate pigment on its properties. B. A. Rubin, N. N. Zolotov and N. P. Kapustin. *Russk. Obzren. Opyt. Lakokraskov. Prom.* 1939, No. 8, 8-9. CaSO₄ crystals grow in aq. or 16% H₂SO₄ medium. Cold 16% H₂SO₄ does not dehydrate CaSO₄. Anhyd. CaSO₄ of fine structure was obtained on boiling pptd. CaSO₄ with 16% H₂SO₄. This CaSO₄ is very readily hydrated. CaSO₄ having different appearances under the microscope shows no differences in painting properties. The factor having the greatest influence on the pigment properties of the mixed pigment is the initial temp. of the Ti(SO₄)₂ soln. At 60° a much greater covering power than at either 20° or 90° is obtained. A mixt. of TiO₂ and CaSO₄ gives almost as good a pigment as the pigment obtained by the hydrolysis of Ti(SO₄)₂ on a suspension of CaSO₄. A 2-4-hr. ignition of the pigment at 900° gave it the best properties.

David Aclony

ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION

117 AND 2ND ORDERS

3RD AND 4TH ORDERS

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
18 Rare earths in mother liquors obtained by treating sphene with hydrochloric acid. B. A. Rubin. <i>Sov. Akad. Nauk. Dokl. Akad. Nauk. SSSR</i>, 1959, No. 8, 16. When "silitan" is obtained by treating sphene with HCl, the mother liquor contains chlorides of Ce, Fe, Al and apparently of rare earths. Sphene contains 0.45% rare earths, 43% of which was Ce. The other rare earths were not individually detd. David Aehmiv																			
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION																			
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1ST AND 2ND GROUPS													3RD AND 4TH GROUPS																																				
PROCEDURES AND PROPERTIES INDEX																																																	
Ca Investigation of chemical composition of pollen of sugar beet. A. P. KISEL AND H. A. RUBIN. Zhurnal Sakharnoi Prom. 3, 143-5(1929).—Analysis. V. R. B. 28																																																	
COMMON ELEMENTS																																																	
COMMON VARIABLE ELEMENTS																																																	
METALLS AND ALLOYS																																																	
NON-METALLS AND COMPOUNDS																																																	
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1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<i>CO</i> Underplowing of beets. I. YAKUBIKIN AND R. REBIN. <i>Zuckerriibenbau</i> 180, (1929); <i>Listy Cukrowar. Rozhledy</i> 44, 9. — The beet roots are pulled up but remain covered in the loose soil; after a few days they are dug up. In the 1928 crops at Kief, the drying out of beets was insignificant, but the sugar content was increased; the juices were much clearer. This increase in clarity is due to the lack of absorption of nonsugars from the soil while carbohydrates move from the leaves to the root. The leaves lost 2 g. of carbohydrates, while the roots showed an increase of 0.0%. <i>28</i> FRANK MARKEN																			
METALLURGICAL LITERATURE CLASSIFICATION																			
1ST ORDER										2ND ORDER									
3RD ORDER										4TH ORDER									

ca

lla

Enzyme activity as a varietal characteristic. B. A.
Rubin and L. I. Naumova. *Compt. rend. acad. sci.*
U.S.S.R. 4, 480-9(in German 490-2)(1934).—Early
varieties of radishes had consistently higher catalase,
sucrase and amylase activity than did late varieties. This
held for both roots and leaves. J. J. Willaman

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

cc

Determination of enzymes. B. A. Rubin and L. I. Nannova. *Compt. rend. acad. sci. U. R. S. S.* 3, 89-ii (1935); cf., C. A. 29, 5470^a.—The activity of amylase suspensions obtained from cabbage or tomato increases with increase in dilm. This is probably due to a breaking up of the equil. between the micro- and macroheterogeneous portions of the enzyme and is, in its effect, equiv. to successive extns. of amylase. The effect of dilm. is not as great with catalase. Eactn. of enzymes by trituration with sand diminishes rather than increases the activity of catalase. Filtration of catalase soln. through a Schleicher and Shull No. 608 paper causes a sharp decrease in the activity of the enzyme. A more active enzyme is obtained in all cases in which chalk, or its equivalent, is used for the neutralization of acids. For tomato fruits, the addn. of chalk increases the activity of catalase 7 times.
W. J. Peterson

WJ

COMMON ELEMENTS
OPEN
METALLURGICAL LITERATURE CLASSIFICATION
ELECTROLYTIC

PROCESSES AND PRESENTS INDEX																									
10 Variations in keeping qualities of different varieties of vegetables and the reasons therefore.—B. A. Mubun and V. E. Trupp. <i>Compt. rend. acad. sci. U. R. S. S. (N. S.)</i> 3, 225-8(1935).—In this attempt to connect the variation in keeping qualities of vegetables with inner biochemical characteristics, varieties of onions and cabbages with poor and excellent keeping qualities were stored and examined every 40-45 days for loss in wt., wt. of dried substance, monosaccharides, sucrose, oil, sugars, cellulose, total N, protein N, catalase and invertase. Tabulation showed that the Matevski onion, a biennial with good keeping qualities, has a high sugar loss but that, in contrast to the poorly keeping Spanish variety, its protein complex is unchanging. Similarly, the variety of cabbage characterized by its good keeping qualities loses considerably more sugar during the period of keeping than the variety that spoils quickly. Also, the ratio of disaccharides to monosaccharides is greater in the stable varieties of both onions and cabbage. The biochemical nature of good keeping quality lies neither in weakened metabolism nor in a lowered energy expenditure of the plant substance but in the high expenditure of sugar reserves. C. R. A.																									
12																									
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																									

CPT

HD

PROCESSES AND PROPERTIES INDEX

Characteristics of the amylase of cabbage. S. A. Rubin
and V. K. Trupp. *Compt. rend. acad. sci. U. R. S. S.*
[N. S.], 8, 229-32 (1935).—Cabbage leaves are (a), 15 and 6
times richer in amylase (I) than beets, onions and carrots.
This high activity is of special interest, since the starch
content of this vegetable is inconsiderable and it is proba-
ble that this so-called amylase is an enzyme that is not
characterized by a strictly sp. action or that it is a complex
of sp. enzymes. The loss of cellulose in connection with
an increased activity of I suggests that in cabbage I is
accompanied by an enzyme, cytase (II) capable of hydro-
lyzing cellulose itself or some of the other carbohydrates
forming the cell walls. Studies of the activity of amylase
in parallel with that of II established the existence in
cabbage of an enzyme capable of hydrolyzing hemicellulose
to a reducing sugar. II is considerably less active than I
but is comparable to sucrase. Its activity in the leaves
and stalks varies and this is connected with the ability
of the early variety, No. 1, to "awaken" early and with the
general higher toxicity of this variety. Attempts to iso-
late II are in progress. C. R. Addinall

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED SERIALIZED REFERENCE INDEXED

RELATIONS RELATED THE ONLY LIST

1ST AND 2ND DEGREE										3RD AND 4TH DEGREE									
PROCESSES AND PROPERTIES INDEX																			
ca The problem of biochemical characteristics of variety in vegetables. B. A. Rubin and L. I. Naumova. <i>Compt. rend. acad. sci. U. R. S. S. (N. S.)</i>, 4, 341-4(1935); cf. C. A. 29, 5470P.—In early varieties of radishes the content of sol. sugars is higher than in late varieties. In the late varieties more of the sugars are converted into cellular tissue; this leads to an increase of the mass of the plant. E. D. Walter 112																			
ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION 13041 5710310 13041 50410 131121 044 044 151																			

RUBIN, B.I.

RUBIN, BORIS IOSIFOVICH

Elektricheskie aviatsionnye pribory. Konspekt lektsii. Moskva, Otd. izd-va Narodnogo komissariatta oborony Soluza SSR, 1935. 175 p., illus., diagrs.

At head of title: Voennaia elektrotekhnicheskaja akademiia RKKA im S.M. Budennogo.

Bibliography: p. 171 - 174

Title tr.: Aircraft electrical instruments. Summary of lectures.

TL589.R8

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955

RUBIN, B. I.

RUBIN, BORIS IOSIFOVICH.

K voprosu o sisteme elektrosnabzheniia samoletov. (Elektrichestvo, 1940,
v 61, no. 1, p. 9-15, diagrs.)

Title tr.: Electric supply systems for aircraft.

TK4.E73 1940

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955

RUBIN, B. I.

42278: RUBIN, B. I. - Issledovaniye statsionarnogo protsessa kolebaniy vibratsionnogo regul'yatora napryazheniya. Trudy Leningr. voen.-vozdukh. inzh. akad.; VYP. 20, 1948, s. 20-55.- Bibliogr: 6 nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948

RUBIN, B.I. (Leningrad)

On a pseudotheorem and on formalism in the theory of automatic
control. Avtom. i telem. 14 no.1:93-95 Jan '53. (MIRA 10:3)
(Automatic control)

SOV/137-58-7-14529

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 84 (USSR)

AUTHOR: Rubin, B.I.

TITLE: Selection of a Criterion for Aluminum-cell Control (Vybor reguliruyemoy velichiny alyuminiyevykh elektrolizerov)

PERIODICAL: Tr. Vses. n.-i. alyumin.-magn. in-ta, 1957, Nr 40, pp 285-293

ABSTRACT: Selection of a criterion for aluminum-cell control is a problem that must be solved if efficient automatic control of the electrolysis process is to be realized. Starting from the fact that such a criterion must reflect the two factors characteristic of the efficiency of a cell - capacity and unit consumption of electrical energy - the control criterion will of necessity be complex. Either the product of capacity by the unit energy consumption, which is the product of current by voltage, or the ratio of capacity to unit consumption of electrical energy, which rises in nonlinear fashion with increase of current-to-voltage ratio, or the difference between these quantities, may be used as the desired criterion. Each of these two complex control indices may be supplanted by a criterion that is easily

Card 1/2

SOV/137-58-7-14529

Selection of a Criterion for Aluminum-cell Control

measured and delivered as an impulse to a regulator input. As compared with the method based on an adjustment of electrolyte resistance, the adjustment of the ratio of current to voltage (or the reciprocal magnitude) is distinguished by participation in the control procedure of the electrochemical component of the voltage which plays quite an important role in the process of electrolysis. Tests of the automatic regulator of voltage-to-current ratio (and of the difference between these values) developed by the All-Union Aluminum and Magnesium Institute has demonstrated the practical possibility of controlling cells by means of the considerations set forth above.

I.G.

1. Electrolysis--Control systems
2. Voltage regulators--Applications

Card 2/2

SOV/136-58-8-12/27

AUTHOR: Rubin, B.I.

TITLE: Approximate Analysis of the Results of the Interaction of Currents and Magnetic Field on Aluminium Electrolyzers
(Priblizhennyy analiz rezul'tatov vzaimodeystviya tokov i magnitnogo polya v alyuminiyevykh elektrolizerakh).

PERIODICAL: TsvetnyyeMetally, 1958, Nr.8, pp.53-56 (USSR)

ABSTRACT: The author maintains that in view of lack of reliable data an approximate analysis of electric-magnetic interaction in the aluminium electrolyzer is all that can be justified. From such an analysis he shows that the dynamic pressure developed as a result of the interaction of currents with the magnetic field is directly proportional to the current, the coefficient of proportionality increasing with increasing field strength and resistance of electrolyzer parts situated in weak zones of the field and with decreasing size of electrolyzer in the direction of the field. Though theoretically conditions for zero pressure and a least favourable value of magnetic field when the pressure reaches a maximum are possible, these are never attained in practice.

Card 1/2

SOV/136-58-8-12/27

Approximate Analysis of the Results of the Interaction of Currents and Magnetic Field on Aluminium Electrolyzers.

He indicates that the requirement of reducing the resistance in the weak-field zone is equivalent to directing the main part of the current through such zones: because of the high conductivity of aluminium compared with that of the bottom material a concentration of currents from the exit side which can coincide with the weak-field zone can occur in the metal and bottom; but in the anode the uneven current-distribution has an unfavourable effect, particularly on the configuration of the magnetic field. There are 5 figures and 4 references, 3 of which are Soviet and 1 English.

1. Electrolytes--Electrical effects
2. Electrolytes--Magnetic effects
3. Electrolytes--Properties
4. Electrolytes--Test results
5. Aluminum--Electrical properties

Card 2/2

RUBIN, B. S.,

RUBIN, B. S., ARTSIKHOVSKAYA, E. V., and PROSKURNIKOVA, T. A. "Peculiarities of Oxidative Exchange in Potatoes in Connection with Resistance to Phytophthora infestans," in Reports of the Scientific-Research Work for 1945, Department of Biological Science, Publishing House of Academy of Science USSR, Moscow, 1947, pp. 316-317. 511 Ak144

SO: SIRA SI 90-53, 15 Dec. 1953

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
<i>co</i> Biochemical processes during storage of sugar beet. B. S. Rubin. <i>Trans. VI Mendeleev Congr. Theoret. Applied Chem.</i> 1933 2, Pt. 2, 133-8(1935).—An exposition of problems connected with the proposed lengthening of the working period of sugar plants. E. R. S.																										28																									
ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			

RUBIN, D.I.

Enterocystoma of the cecum. Nov.khir.arkh. no.2:106 Mr-Apr '58
(MIRA 11:6)

1. Khirurgicheskoye otdeleniye Odesskoy rayonnoy bol'nitsy.
(CECUM--TUMORS)

RUBIN, D.V. (Sverdlovsk); REZER, S.M. (Sverdlovsk)

"Carrying and forwarding services on railroads" by V.F. Povorozhenko, M.D. Sitnik, E.S. Furman. Reviewed by D.V. Rubin, S.M. Rezer. Zhel. dor. transp. 45 no.5:95-96 My '63. (MIRA 16:10)

1. Nachal'nik gruzovoy sluzhby Sverdlovskoy dorogi (for Rubin).
2. Zamestitel' nachal'nika stantsii Sverdlovsk-Tovarnyy (for Rezer).

RUBIN, Ernesto

Such contacts are extremely useful. Vnesh. torg. 43 no.10:
26-27 '63. (MIRA 16:11)

RUBIN, F., kand.biolog.nauk

Recent data on the distribution of hamsters (*Cricetus cricetus*
L.) in White Russia. Vestsi AN BSSR.Ser.bial.nau. no.2:126-127
'59. (MIRA 12:9)

(WHITE RUSSIA--HAMSTERS)

RUBIN, F.Ye., kand.biol.nauk

Structure of the nasal cavity in murine rodents. Vestsi AN BSSR.
Ser.bial.nav. no.3:88-92 '58. (MIRA 11:11)
(Nose) (Mice)

RUBIN F. Ye. --

"Ecolomorphological Survey of Some Species of Belorussian Rodents." Cand
Biol Sci, Belorussian State U, Minsk, 1953. (BZhBiol, No 4, Oct 54)

Survey of Sceintific and Technical Dissertations Defended at USSR
Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

RUBIN, F.Ye., kand.biolog.nauk

Extensive increase of the population of water rats in Brest
Province. Zashch. rast. ot vred. i'bol. 5 no.4:29 Ap '60.
(MIRA 13:9)

1. Brestkiy pedagogicheskiy institut.
(Brest Province--Water voles)

BATALOV, A., master-povar; CHEPIGA, B., master-povar; SHKONDIN, I., master-povar; SUBOCHEV, M., master-povar; RUBIN, G., master-povar; KOROTUN, A., inzh.-tekhnolog; TRAVIN, V.; KOBETS, N.

We shall respond to the appeal. Obshchestv.pit. no.11:25 N '60.
(MIRA 14:3)

1. Zaveduyushchiy proizvodstvom restorana "Moskovskiy," Rostov-na-Donu (for Batalov).
 2. Zaveduyushchiy proizvodstvom kafe-konditerskoy "Zolotoy kolos," Rostov-na-Donu (for Chepiga).
 3. Zaveduyushchiy proizvodstvom restorana "Vostok," g.Shakhty (for Shkondin).
 4. Zaveduyushchiy proizvodstvom restorana "Rostov," Rostov-na-Donu (for Subochev).
 5. Zaveduyushchiy proizvodstvom restorana "Don," Rostov-na-Donu (for Rubin).
 6. Zaveduyushchiy konditerskim proizvodstvom kafe-konditerskoy "Zolotoy kolos," Rostov-na-Donu (for Korotun).
 7. Zaveduyushchiy proizvodstvom restorana "Yuzhnyy," Novocherkassk (for Travin).
 8. Zaveduyushchiy proizvodstvom restorana "Volna," Taganrog (for Kobets).
- (Rostov Province--Restaurants, lunchrooms, etc.)

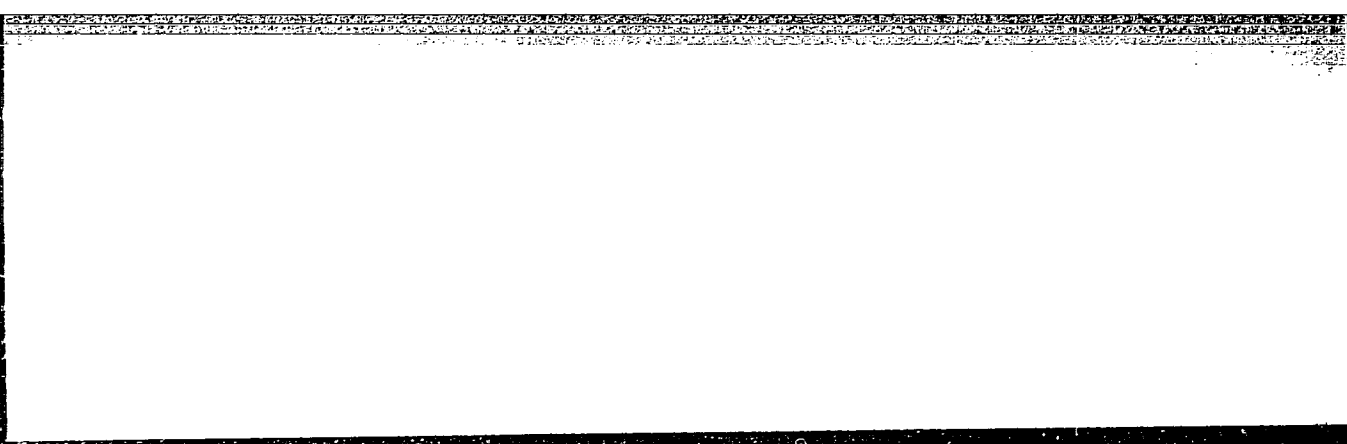
RUBIN, G.K., inzhener; GUTMAN, M.B., inzhener.

Methods for modernizing electric holding furnaces. Vest.elektroprov.
28 no.7:11-13 J1 '57. (MIRA 10:9)

1. Opytno-konstruktorskoye byuro "Elektropech'."
(Electric furnaces)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001445810016-1



APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001445810016-1"

RUBIN, G.K.

AUTHORS: Rubin, G.K. and Gutman, M.B. (Engineers) 110-7-4/30

TITLE: Method of modernising chamber-type electric furnaces.
(Metody modernizatsii kamernykh elektropechey).

PERIODICAL: "Vestnik Elektropromyshlennosti" (Journal of the
Electrical Industry), Vol.28, No.7, 1957, pp.11-13 (USSR).

ABSTRACT: There must be in service at least 10 000 chamber-type electric furnaces with a total installed power of not less than 200 MW. Most of these furnaces are of poor technical characteristics. A great many of the existing furnaces should be modernised, which will ensure considerable power economies. This article makes specific recommendations for the improvement of such furnaces. One of the main causes of low efficiency in furnaces is inward leakage of cold air through the doors. Methods of correcting this are described in detail and illustrated by sketches. Recommendations are then made about relining furnaces to cut down heat losses. In doing this difficulties are sometimes encountered in fixing the heaters because the lining materials are mechanically weak, and a method of installing the heaters in tubes is described and illustrated. Methods of increasing the size of the charge in furnaces are also described. The advantages that often result from increasing the power of

Card
1/2

Method of modernising chamber-type electric furnaces.

(Cont.)

110-7-4/30

furnaces are described. Expenditure incurred on measures described in the article will have a very short pay-off time of six or seven months, they are applicable to all kinds of furnaces.

There are 5 figures and no references.

ASSOCIATION: OKB of the "Elektropech'" Trust. (OKB Tresta "Elektropech'".)

AVAILABLE:

Card 2/2

RUBIN, G.K., inzhener; GUTMAN, M.B., inzhener.

New series of chamber-type electric furnaces for wide application.
Vest. elektroprom. 27 no.10:55-59 0 '56. (MIRA 10:9)

1. Trest "Elektropech'."
(Electric furnaces)

RUBIN, G.K.; GUTMAN, M.B.; GLEBOV, S.V.

Use of very lightweight refractories in electric resistance
furnaces. Ogneupory 22 no.1:6-9 '57. (MIRA 10:3)

1. Opytno-konstruktorskoye byuro tresta "Electripech'" i Leningradskiy
institut ogneuporov.
(Refractory materials) (Electric furnaces)

RUBIN BN

Experience in the use of silicones in electric resistance furnaces.

5
161 E 2d

FEL'DMAN, Iosif Aleksandrovich; GUTMAN, Mark Borisovich; RUBIN, Georgiy
Kusaiyevich; SVENCHANSKIY, A.D., red.; SAPAROVA, A.L., red.;
VORONIN, K.P., tekhn. red.

[Calculation of heating elements for electric resistance
furnaces] Raschet nagrevatelei elektrophehei soprotivleniia.
Moskva, Gos. energ. izd-vo, 1961. 26 p. (Biblioteka elektro-
termista, no.5) (MIRA 14:8)

(Electric furnaces)

RUBIN, G.V., kand.tekhn.nauk

Thermal processing of piston rings for diesel locomotives. Trudy
MIIT no.160:5-18 '62. (MIRA 16:2)
(Piston rings--Testing) (Cast iron--Heat treatment)

GEK, V.I., kand.tekhn.nauk; RUBIN, G.V., kand.tekhn.nauk.

Classification of spring leaves according to the steel make.
Vest.TSNII MPS 21 no.4:49-50 '62. (MIRA 15:6)

1. Moskovskiy institut inzhenerov zheleznodorozhnogo transporta.
(Car springs--Testing)

D'YAKONOV, V.N., kand.tekhn.nauk; RUBIN, G.V., kand.tekhn.nauk;
KISEL'NIKOVA, O.V., kand.tekhn.nauk

Electric furnace bath for isothermal hardening. Trudy MIIT
no.160:27-30 '62. (MIRA 16:2)
(Furnaces, Heat treating)

BLEDNOVA, M.: RUBIN, I., starshiy nauchnyy sotrudnik

Put archival materials in the service of communal economy enterprises. Zhil.-kom.khoz. 9 no.10:5-6 ' '59.

(MIRA 13:2)

1. Nachal'nik arkhiva Ministerstva kommunal'nogo khozyaystva RSFSR (for Blednova). 2. TSentral'nyy gosudarstvennyy arkhiv RSFSR (for Rubin).

(Architecture--Designs and plans)

RUBIN, I.

Economic efficiency of various transportation methods of bricks from factories to building cities. p.289.

REVISTA CONSTRUCTIILOR SI A MATERIALELOR DE CONSTRUCTII. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Ministerul Constructiilor si al Materialelor de Constructii)
Bucuresti, Rumania
Vol. 11, no. 6, June 1959.

Monthly list of Eastern European Accession Index (EEAI) IC vol. 8, No. 11
November 1959
Uncl.

RUBIN, I.

Remarks of a worker-efficiency expert. Sots.trud.no.3:115-116 Mr
'56. (Boring machinery) (MIRA 9:7)

AKOL'ZIN, L.Ye.; BOROZDOV, I.A.; BEDILO, V.Ye.; TERESHKIN, F.N. Priniimati uchastiye: BELYAYEV, F.R.; BEREZHNOY, N.V.; BUBYR', V.A.; VARSHAVSKIY, I.N.; DUDKO, V.P.; YERSHOV, V.S.; DUGIN, Ye.V.; DUKALOV, M.F.; IVANOV, P.S.; KONAREVA, V.F.; MONIN, M.I.; MOGILKO, A.P.; PANCHENKO, A.I.; POKALYUKOV, S.N.; PRIKHOD'KO, N.D.; RUBIN, I.A.; SIDORENKO, P.A.; TYUTYUNIK, Ya.I.; KHMEL'NITSKIY, L.Ya.; BONDAR', V.I.; KRIVTSOV, A.T.; LOKSHIN, V.D.; SOFIYENKO, N.P. RABINKOVA, L.K., red.izd-va; BOLDYREVA, Z.A., tekhn.red.

[Types of mine cross section] Tipovye secheniya gornykh vyrabotok. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.4.
[Cross section of mines supported by a sectional reinforced-concrete lining of URP-II panels for 1-, 2- and 3-ton railroad cars] Secheniya vyrabotok, zakreplennykh sbornoj zhelezobetonnoy krep'iu iz plit URP-II, dlia 1-, 2- i 3-tonnykh vagonetok. 1960. 278 p.
(MIRA 13:12)

1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.
(Mine timbering)

GERSHKOVICH, B.M., inzh.; RUBIN, I.L., inzh.

Portable equipment for heating paint. Stroil.dor.mash. 7
no.2:21-22 F '62. (MIRA 15:5)
(Painting, Industrial--Equipment and supplies)

GEERSHKOVICH, B.M., inzh.; RUBIN, I.L., inzh.

Unit for the preparation of silicate paints. Stroi. mat. 9
no.5:31-32 My '63. (MIRA 16:7)

(Paint machinery)

1. IGNATOVICH, B. I., MARGARITOVA, G. F., MINKIN, S. YU., RUBIN, I. L.
2. USSR (600)
4. Sciatic Nerve
7. Data on the pathogenesis of experimental trophic ulcer of the extremities. Vop. neirokhir. 16 no. 5, '52.
9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

RUBIN, G.V., kand.tekhn.nauk

Diesel locomotive piston rings made from high-strength cast iron and low-alloy steel. Vest. TSNII MPS 20 no.1:37-39 '61.

(MIRA 14:1)

1. Moskovskiy institut inzhenerov zheleznodorozhnogo transporta imeni I.V. Stalina.

(Piston rings--Testing)
(Diesel locomotives)

h e b i t s , c . v .
YERKHOV, A.N., prof. [deceased]; RUBIN, G.V., kand. tekhn. nauk.

Investigating the heat resistance of sliding valve piston rings
in steam locomotives. Trudy MIIT no.93:73-93 '57. (MIRA 11:4)
(Piston rings--Testing) (Metals at high temperatures)

1. RUBIN, I.S.
2. USSR (600)
4. Clay-Gnezdovo Station
7. Report on the survey of the tile clays of Gnezdovo Station in the Smolensk District of the smolensk Province. (Abstract) Izv. Glav. upr. geol. fon. no. 2: 1947
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

RUBIN, I.V., kandidat meditsinskikh nauk

Telangiectasis of the optic papilla in Osler's disease. Vest.oft.
70 no.3:29-30 My-Je '57. (MLRA 10:8)

1. Glaznaya klinika (zav. - doktor meditsinskikh nauk D.I.
Berezinskaya) Moskovskogo oblastnogo nauchno-issledovatel'skogo
klinicheskogo instituta

(TELANGIECTASIS, etiol. and pathogen.
optic papilla, in Osler's dis.)

(ANGIOMATOSIS, compl.
telangiectasis of optic papilla)

RUBIN, J.

Appeal of the geographer-photographers. Sbor zem 68 no.2:
183-185 '63.

RUBIN, J.

Second Exhibition of Geographic Photography in Prague. Sbor
zem 69 no.3:233-234 '64.

RUBIN, J.; STRIDA, M.

"Czechoslovakia, a collection of maps." Reviewed by J.Rubin, M.Strida.
Sbor zem 68 no.3:279-281 '63.

RUBIN, J.

- + For more rational production in binding materials quarries. p. 2
- Manufacturing prefabricated parts in molding casings with tipping devices. p. 3

CONSTRUCTORUL, Bucuresti, Vol 8, No. 317, Feb., 1956

SO: East European Accessions List (EEAL) Library of Congress, Vol 5, No. 7, July, 1956

RUBIN, Josef

International Speleological Conference in Erno, 1964. Sbor zem
69 no.4:337-339 '64.

RUBIN, K.I., inzh.

Waterproofing with cold mastic. Shakht. stroi. 7 no.4:29-30 Ap
'63. (MIRA 16:3)

1. Nachal'nik kombinata Kemerovoshakhtokhimstroy.

RUBIN, K.I., inzh.

Using mine waste rock for concreting in a mine. Shakht. stroi.
8 no.2:12-14 F '64. (MIRA 17:3)

1. Nachal'nik kombinata Kemerovoshakhtokhimstroy.

RUBIN, K.I., inzh.; VYATKIN, Ye.I., kand.tekhn.nauk

In-situ concreting used in lining horizontal mine workings. Shakht.
stroi. 8 no.12:9-11 D '64. (MIRA 18:1)

1. Nachal'nik kombinata Kemerovoshakhtokhimstroy (for Rubin). 2.
Kemerovskiy gornyy institut (for Vyatkin).

RUBIN, K.I.; VYATKIN, Ye.I.; SHMONOV, K.S.; TEPLITSKAYA, G., red.

[Concrete supports made from mine waste] Betonnaia krep'
iz shakhtnykh porod. Kemerovo, Kemerovskoe knizhnoe izd-
vo, 1965. 50 p. (MIRA 18:12)

ABRAMOVICH, Z., inzh.; DUSAVITSKIY, A., inzh.; KAGAN, A., inzh.; RUBIN, L., inzh.

Design practices which increase the intervals between the bearing elements
of overhead intrafactory pipelines. Prom. stroi. i inzh. soor. 5 no.2:
45-46 Mr-Ap '63. (MIRA 16:4)

(Pipelines)

ABRAMOVICH, Z.A., inzh.; DUSAVITSKIY, A.K., inzh.; KAGAN, A.P., inzh.;
RUBIN, L.B., inzh.

Laying pipes above ground at existing enterprises. Stroi.
truboprov. 6 no.6:12-14 Je '61. (MIRA 14:7)

1. Ukrainskiy Gosudarstvennyy proyektnyy institut "Santekhproyekt",
g. Khar'kov.

(Gas pipes)

RUBIN, L. R.

"Electro-odonto-diagnosis," Stomatologiya, No. 1, 1949.

Mbr., Moscow Stomatological Inst., -1949-.

RUBIN L. R.

659. RUBIN L. R. Receptors of protopathic sensations Neuropathology and Psychiatry, Moscow 1949, 18/3 (64-66) Tables 1

Observations on the sensory perception of teeth are recorded and the conclusions reached that the free nerve endings of teeth are capable of mediating all forms of sensation and that sensitivity to cold and heat is closely associated with vascular reactions.

Aird - San Francisco

So. NEUROLOGY & PSYCHIATRY Section VIII Vol. 3¹ Jan-Jun 1950 Excepta Medica

RUEIN, L. R.

Anesthesia in Dentistry

Anesthesia in dentistry. Stomatologiya, No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

RUBIN, L. R.

Dental instruments and apparatus

Thermodosimeter. Stomatologiya, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, December, 1952.
Unclassified.

RUBIN, L.R.; BELETSKIY, G.N., direktor.

Role of neural reception in the pathogenesis of caries. (Remarks on Professor I.A.Begel'man's article "Modern concept of the problem of caries.")
Stomatologia no.4:19-24 J1-Ag '53. (MLRA 6:9)

1. Moskovskiy meditsinskiy stomatologicheskiy institut.
(Teeth--Diseases) (Begel'man, I.A.)

RUBIN, L.R.

DKG-1 diathermocoagulator in stomatological practice. Stomatologiya
no.2:24-27 Mr-Apr '54. (MLRA 7:4)

1. Iz Moskovskogo meditsinskogo stomatologicheskogo instituta
(direktor - dotsent G.N.Beletskiy).
(Stomatology) (Electricity in surgery)

RUBIN, Lev Ruvimovich; ZAUSAYEV, V.I., redaktor; BEL'CHIKOVA, Yu.S.,
tekhnicheskiiy redaktor

[Physical methods of diagnosis and therapy in stomatology]
Fizicheskie metody issledovaniia i lecheniia v stomatologii,
Moskva, Gos.izd-vo med. lit-ry, 1955. 251 p. (MIRA 9:2)
(STOMATOLOGY)

PASYNKOV, Ye.I.; RUBIN, L.R.; GLASKO, N.M., redaktor; GLUKHOYEDOVA, G.A.,
tekhnicheskii redaktor

[General physical therapy; brief course] Obshchaia fizioterapiia;
kratkii kurs. Izd. 3-e. Moskva, Gos. izd-vo meditsinskoi lit-ry,
1955. 253 p. (MIRA 9:2)

(PHYSICAL THERAPY)

RUBIN, L.R.

Role of pathological foci in the maxillo-dental system in the pathogenesis of certain diseases. Stomatologiya no.4:14-17 J1-Ag '55.
(MLRA 8:10)

1. Iz kafedry terapevticheskoy stomatologii (zav.--prof. Ye.Ye. Platonov) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir.--dozent G.N.Beletskiy)

(FOCAL INFECTIONS,

dent., causing organic dis.)

(TEETH, diseases,

focal infect. causing organic dis.)

RUBIN, L.R.

Trophedema of Meige. Sov.med. 20 no.11:78-80 N '56. (MLRA 10:1)

1. Iz Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. -
dotsent G.N.Beletskiy)

(LYMPHEDEMA, case reports
Milroy's dis.)

RUBIN, L.R.

Differential diagnosis of pulpitis. Stomatologiya 35 no.3:12-13
My-Je '56. (MLRA 9:9)

1. Iz Moskovskogo meditsinskogo stomatologicheskogo inzhituta
(dir. - dotsent G.N.Beletskiy)
(TEETH DISEASES)

RUBIN, L.R.

Ultrasonic waves in stomatological practice. Stomatologiya 36
no.5:57-64 S-O '57. (MIRA 11:1)

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